SWITZERLAND

Organizations Contacted:

Swiss Standards Association (SNV)
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Swiss Association of Engineers and Architects (SIA)
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Swiss Association of Heating and Cooling
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Mr. W. Imfeld
Caisse Nationale Suisse d'Assurance en Cas
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Tel: 41-21-51-11

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Source: https://www.industrydocuments.ucsf.edu/docs/mfwk0000

Standards Documents Obtained/Consulted Thus Far:

SIA 382/3[1]

Lüftungstechnische Anlagen, technische Anforderungen

(Ventilation and AC Plants; technical requirements) (draft)

[There are numerous cantonal and municipal codes, as well as voluntary codes of practice issued by engineering assocations. We are told that resort is frequently had to German standards as guidelines.]

Workplace Exposure Limits (Source: ILO CIS data base 1991; Valeurs limités d'exposition aux postes de travail 1990 [CNA Division Médecine du Travail])

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Key Indoor Ventilation Standards:

-- SIA 382/1 Draft Requirements:

Offices (smoking):	30.70 m^3/h per person
Offices (non-smoking):	25-30 m^3/h per person
Restaurants (smoking):	40-5 m^3/h per person

[See attachment from AIVC Technical Note 30 (Sept. 1990) further describing Swiss ventilation standards.]

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Source: https://www.industrydocuments.ucsf.edu/docs/mfwk0000

Key Workplace Exposure Limits:

Source: ILO CIS Data Base 1991 and Swiss CNA standards 1990:

Chemical	Exposure Limit
Carbon Dioxide	30 mg/m^3
Ammonia	18 mg/m^3
Formaldehyde	0.6 mg/m^3
Oxides of Nitrogen	NO_2 6 mg/m^3 NO^2 30 mg/m^3
Benzene	16 mg/m^3
Sulphur Dioxide	5 mg/m^3
Nicotine	0.5 mg/m^3

[No standards listed for Benzo[a]pyrene]

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Source: https://www.industrydocuments.ucsf.edu/docs/mfwk0000

Ongoing Research Relating To IAQ Issues:

TITLE: Demand and Basic Regulations for Air Conditioning

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PROJECT DETAILS:

The project leads to three Swiss standards:

SIA 382/1

Lüftungstechnische Anlagen

"Technische Anforderungen" (Basic regulations for VAC-Systems)

SIA 382/2

"Kühlleistungsbedarf von Gebäuden"

(Cooling load)

SIA 382/3

"Bedarfsermittlung für Lüftungstechnische Anlagen"

(Demand of air conditioning)

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Source: https://www.industrydocuments.ucsf.edu/docs/mfwk0000